

Title (en)

Steering angle neutral position detection error protecting method and detection error protecting apparatus

Title (de)

Verfahren und Vorrichtung zur Fehlervermeidung bei der Lenkneutralstellungserfassung

Title (fr)

Méthode de protection contre les erreurs lors de la detection de la position neutre de braquage et dispositif correspondant

Publication

**EP 1375304 A3 20070509 (EN)**

Application

**EP 03013810 A 20030618**

Priority

JP 2002179901 A 20020620

Abstract (en)

[origin: EP1375304A2] In a neutral position detection error protecting apparatus, vehicle wheel velocities SFR, SFL of right/left driven wheels FR, FL are detected by vehicle wheel sensors (27a,27b) and a right/left wheel velocity difference VFD is obtained from vehicle wheel velocities VFR, VFL of the driven wheels FR, FL through vehicle wheel velocity signal abnormality determining processing (30b) so as to detect steering angle information  $\delta_h$  from the steering wheel. Then, when a condition that a right/left wheel velocity difference VFD is less than a predetermined velocity V1, a condition that a rotation angle of steering angle information  $\delta_h$  is more than a predetermined value  $\delta_k$  and a condition that a vehicle wheel velocity is more than a predetermined velocity V2 according to vehicle wheel velocities VFR, VFL of the driven wheels FR, FL are all satisfied in a predetermined period T, it is determined that there is any abnormality in the vehicle wheel velocities SFR, SFL (VFR, VFL) of the driven wheels FR, FL through vehicle wheel velocity signal abnormality determining processing (30b).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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- [A] WO 9950124 A1 19991007 - CONTINENTAL TEVES AG & CO OHG [DE], et al
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